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(19) **United States**(12) **Patent Application Publication**  
**KESSLER et al.**(10) **Pub. No.: US 2012/0043191 A1**(43) **Pub. Date: Feb. 23, 2012**(54) **SINGLE SUPPORT LEVER KEYBOARD  
MECHANISM**(52) **U.S. Cl. .... 200/5 A; 29/622**(75) Inventors: **Patrick KESSLER**, San Francisco,  
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**H01H 11/00** (2006.01)(57) **ABSTRACT**

A keyboard mechanism for a low-travel keyboard and methods of fabrication are described. The low-travel keyboard is suitable for a thin-profile computing device, such as a laptop computer, netbook computer, desktop computer, etc. The keyboard includes a key cap that can be formed of a variety of materials in the form of a flat slab. The key cap is attached to one end of a support lever that supports it from underneath. In one embodiment, the support lever is formed of a rigid material and is pivotally coupled with a substrate on the other end. In another embodiment, the support lever is formed of a flexible material and is fixedly attached to the substrate on the other end. The portion of the support lever that is attached to the key cap is positioned over a metal dome that can be deformed to activate the switch circuitry of the membrane on printed circuit board underneath the dome.

